

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

1. (Original) A door latch actuator comprising:
a housing including a strike plate defining a latch opening;
a spring latch bolt actuator movably mounted in said housing such that at least a portion of said spring latch bolt actuator moves in and out of the latch opening;
a biasing member attached to said housing and said spring latch bolt actuator adapted to bias said spring latch bolt actuator away from the latch opening; and
a latch bolt pin actuator movably mounted in said housing such that at least a portion of said latch bolt pin actuator moves in and out of the latch opening.
2. (Original) The door latch actuator of claim 1, wherein said spring latch bolt actuator is pivotally mounted in said housing.
3. (Original) The door latch actuator of claim 1, further comprising a latch bolt pin biasing member adapted to bias said latch bolt pin actuator away from the latch opening.
4. (Original) The door latch actuator of claim 1, further comprising a latch bolt pin biasing member adapted to bias said latch bolt pin actuator towards the latch opening.
5. (Original) The door latch actuator of claim 1, wherein said spring latch bolt actuator includes a surface adapted to be received in the latch opening such that the surface is adjacent at least substantially an entire length of three sides of the latch opening.
6. (Original) The door latch actuator of claim 1, wherein said spring latch bolt actuator includes a surface adapted to cover substantially the entire latch opening.

7. (Original) The door latch actuator of claim 1, further comprising a motor and transmission for driving said spring latch bolt actuator and said latch bolt pin actuator.

8. (Original) The door latch actuator of claim 7, further comprising an actuating element adapted to move at least one of said latch bolt pin actuator and said spring latch bolt actuator.

9. (Original) A door latch actuator comprising:

a housing including a strike plate defining a latch opening adapted to receive a spring latch bolt and a latch bolt pin of an associated deadlatch lock assembly;

a latch bolt pin actuator mounted for linear movement in said housing between a first extended position and a second retracted position; and

a spring latch bolt actuator mounted for pivotal movement in said housing between an extended position and a retracted position.

10. (Original) The door latch actuator of claim 9, wherein said spring latch bolt actuator and said latch bolt pin actuator are adapted to move in relation to one another such that when said latch bolt pin actuator is in the second retracted position said spring latch bolt actuator is in the extended position.

11. (Original) The door latch actuator of claim 9, wherein said spring latch bolt actuator covers substantially the entire latch opening when said spring latch bolt actuator is in an extended position.

12. (Original) The door latch actuator of claim 9, further comprising a motor, wherein said spring latch bolt actuator and said latch bolt pin actuator are driven by said motor.

13. (Original) The door latch actuator of claim 12, further comprising an actuating element for moving at least one of said spring latch bolt actuator and said latch bolt pin actuator, wherein said motor drives said actuating element.

14. (Original) The door latch actuator of claim 12, further comprising an actuating element for moving said spring latch bolt actuator and said latch bolt pin actuator, wherein said motor drives said actuating element.

15. (Original) The door latch actuator of claim 9, further comprising a biasing member attached to said spring latch bolt actuator for biasing said spring latch bolt actuator toward the latch opening.

16. (Original) The door latch actuator of claim 9, wherein said latch bolt pin actuator is adapted to have an adjustable dimension.

17. (Original) A door latch actuator comprising:

a housing including a strike plate defining a latch opening;

a spring latch bolt actuator movably mounted in said housing such that said spring latch bolt actuator moves between a first position wherein said spring latch bolt actuator is retracted in said housing and a second position wherein a portion of said spring latch bolt actuator is extended into the latch opening; and

a latch bolt pin actuator movably mounted in said housing such that said latch bolt pin actuator moves between a first position wherein a portion of said latch bolt pin actuator is extended into the latch opening and a second position wherein said latch bolt pin actuator is retracted in said housing;

wherein at least one of said latch bolt pin actuator and said spring latch actuator at least substantially covers the entire latch opening when at least one of said latch bolt pin actuator and said spring latch actuator is in the extended position.

18. (Original) The door latch actuator of claim 17, wherein said latch bolt pin actuator moves in relation to said spring latch bolt actuator such that when said spring latch bolt actuator has moved from the first position to the second position and said latch bolt pin actuator has moved from the first position to the second position the portion of said spring latch bolt actuator extended into the latch opening occupies a space once occupied by the portion of said latch bolt pin actuator that was extended into the latch opening.

19. (Original) The door latch actuator of claim 17, wherein said spring latch bolt actuator pivots between the first position and the second position.

20. (Original) The door latch actuator of claim 17, wherein said latch bolt pin actuator linearly reciprocates between the first position and the second position.

21. (Original) A method of actuating a deadlatch lock assembly that includes a spring latch bolt and a latch bolt pin, the method including:

placing a spring latch bolt actuator in a door jamb at a position that said spring latch bolt actuator can selectively engage a spring latch bolt of an associated door lock;

placing a latch bolt pin actuator in the door jamb at a position that said latch bolt pin actuator can selectively engage a latch bolt pin of the associated door lock; and

selectively pivoting said spring latch bolt actuator so that it engages the spring latch bolt.

22. (Currently Amended) The method of claim 21, further comprising selectively reciprocating said latch bolt pin actuator so that is it engages the latch bolt pin.